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| APPLICATION NO.  | FILING DATE | FIRST NAMED INVENTOR | ATTORNEY DOCKET NO.         | CONFIRMATION NO.       |
|--|-------------|----------------------|-----------------------------|------------------------|
| 10/588,244   | 08/02/2006  | Alessandro Mondadori | 7366E.US                    | 7228                   |
| 1218   | 7590        | 10/29/2007           |                             |                        |
| CASELLA & HESPOS<br>274 MADISON AVENUE<br>NEW YORK, NY 10016 |             |                      | EXAMINER<br>NGUYEN, HOANG V |                        |
|  |             |                      | ART UNIT<br>2821            | PAPER NUMBER           |
|  |             |                      | MAIL DATE<br>10/29/2007     | DELIVERY MODE<br>PAPER |

Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

## Office Action Summary

**Application No.**

10/588,244

**Applicant(s)**

MONDADORI ET AL.

**Examiner**

Hoang V. Nguyen

**Art Unit**

2821

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

### Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

### Status

- 1) ☒ Responsive to communication(s) filed on 02 August 2006.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

### Disposition of Claims

- 4) ☒ Claim(s) 1-9 is/are pending in the application.
- 4a) Of the above claim(s) \_\_\_\_\_ is/are withdrawn from consideration.
- 5) ☐ Claim(s) \_\_\_\_\_ is/are allowed.
- 6) ☒ Claim(s) 1,2,5 and 6 is/are rejected.
- 7) ☒ Claim(s) 3,4 and 7-9 is/are objected to.
- 8) ☐ Claim(s) \_\_\_\_\_ are subject to restriction and/or election requirement.

### Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☒ The drawing(s) filed on 02 August 2006 is/are: a) ☒ accepted or b) ☐ objected to by the Examiner.
- Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
- Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

### Priority under 35 U.S.C. § 119

- 12) ☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f):
- a) ☒ All b) ☐ Some \* c) ☐ None of:
- 1) ☒ Certified copies of the priority documents have been received.
  - 2) ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
  - 3) ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

\* See the attached detailed Office action for a list of the certified copies not received.

### Attachment(s)

- 1) ☐ Notice of References Cited (PTO-892)
- 2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
- 3) ☒ Information Disclosure Statement(s) (PTO/SB/08)  
Paper No(s)/Mail Date 8/2/06.
- 4) ☐ Interview Summary (PTO-413)  
Paper No(s)/Mail Date. \_\_\_\_\_
- 5) ☐ Notice of Informal Patent Application
- 6) ☐ Other: \_\_\_\_\_

*Claim Rejections - 35 USC § 103*

1. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

2. Claim 1 is rejected under 35 U.S.C. 103(a) as being unpatentable over Lindenmeier et al (US 6,236,372 B1).

Lindenmeier (Figure 2) discloses an antenna system for a station wagon type vehicle comprising an opening rear window provided with a defrosting network 20 and a quarter panel window 6, the antenna system comprising a first antenna comprising an aerial produced by screen printing on the rear window and incorporating the defrosting network, the said aerial comprising two vertical lines extending symmetrically with respect to the middle longitudinal vertical plane of the vehicle and being superimposed with the defrosting network, a second antenna 1 comprising an aerial produced by screen printing on the quarter panel window, and an electronic circuit 9 located in the proximity of each of the aerials of the first and second antennas, and the aerial of the FM antenna having an earth line 11 (Figure 10), wherein the first antenna is an FM2 antenna intended to receive frequency modulated radio waves in the band 76 MHz to 108 MHz.

Lindenmeier fails to specifically teach that the second antenna is a remote keyless entry antenna intended to receive waves having a frequency of 434 MHz or 315 MHz, and that the earth line having a length of the order of 530 mm and serving as an earth for the FM signal.

It would have been obvious to one having ordinary skill in the art at the time the invention was made to dimension the second antenna so it can operate in remote keyless entry frequency range and the length of the earth line to be approximately 530 mm, since it has been held that discovering an optimum value of a result effective variable involves only routine skill in the art. *In re Boesch*, 617 F.2d 272, 205 USPQ 215 (CCPA 1980).

3. Claim 2 is rejected under 35 U.S.C. 103(a) as being unpatentable over Lindenmeier et al in view of Peresano (WO 93/18634 A).

Lindenmeier discloses the claimed invention except that the defrosting network has a U-shape, the arms of which are directed upwards. Peresano (Figure 2) discloses a defrosting network 6 for a window glass of a motor vehicle. It would have been obvious to one of ordinary skill in the art at the time the invention was made to employ the Lindenmeier antenna system having the defrosting network having a U-shape and the arms directing upwards, as taught by Peresano, doing would obtain the desired heating and snow removal results.

4. Claims 5 and 6 are rejected under 35 U.S.C. 103(a) as being unpatentable over Lindenmeier et al in view of Talty (US 5,510,804).

Regarding claim 5, Lindenmeier discloses the claimed invention except mentioning that the aerial of the remote keyless entry antenna is in the shape of an F. Talty (Figure 4) discloses a remote keyless entry antenna 10 for use on a window glass of a motor vehicle, the antenna having an F-shaped. It would have been obvious to one of ordinary skill in the art at the time the invention was made to employ the Lindenmeier antenna system with the remote keyless entry antenna having an F-shape, as taught by Talty, doing so would yield an optimum radiation characteristics for a desired application.

Regarding claim 6, as applied to claim 5, it would have been obvious to one of ordinary skill in the art that the remote keyless entry antenna operate at 434 MHz with an impedance of 50 ohms at its power supply point.

***Allowable Subject Matter***

5. Claims 3, 4 and 7-9 are objected to as being dependent upon a rejected base claim, but would be allowable if rewritten in independent form including all of the limitations of the base claim and any intervening claims.

6. The following is a statement of reasons for the indication of allowable subject matter:

Regarding claim 3, Lindenmeier discloses the claimed invention except that the FM2 antenna comprises a two-wire cable to pick up the FM signal received by its aerial and to transmit this signal to an electronic housing, the two-wire cable comprising an earth wire connected to the earth line and an FM signal wire connected to the symmetrical lines.

Claim 4 would have been found allowable for depending on claim 3.

Regarding claim 7, Lindenmeier fails to further teach, in combination with other limitations, that the aerial of the remote keyless entry antenna has a screen printed earth line of a length of the order of 150 mm and serving as an earth for the 434 MHz signal.

Claims 8 and 9 would have been found for depending on claim 7.

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*Inquiry*

7. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Hoang V. Nguyen whose telephone number is (571) 272-1825.

The examiner can normally be reached on Mondays-Fridays from 8:00 a.m. to 4:00 p.m..

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Douglas Owens can be reached on (571) 272-1662. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

8. Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

Hvn  
10/17/07



HOANG V. NGUYEN  
PRIMARY EXAMINER